

## Glossary of Technical & Abbreviated Terms

AADT	Annual Average Daily Traffic, represents an average 24-hour period of traffic on a facility in both directions averaged over one year, or the total of all traffic counted for one year, divided by 365 days.
ABAG	Association of Bay Area Governments
Ac	acres
ACCS/MV	Accidents per million vehicle miles
ACHP	President's Advisory Council on Historic Preservation
ACM	asbestos-containing material
ADA	Americans with Disabilities Act of 1990
ADL	Aerially Deposited Lead
ADT	Average Daily Traffic, total traffic on a facility in both directions, for one 24-hour day, averaged over a given time period.
ASHERA	Asbestos Hazardous Emergency Response Act
APE	Area of Potential Effects, the area within which archaeological or historical resources may be affected by a project.
ASR	Archaeological Survey Report
AST	above ground storage tank
ATS	Average Travel Speed
ATT	Average Travel Time
Auxiliary Lane	An auxiliary lane is a traffic lane dedicated to traffic entering and/or exiting the freeway, reducing interference with through traffic.
BAAB	Bay Area Air Basin
BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
Beneficial Use	Use of a natural water resource that enhances the social, economic, and environmental well-being of the user. Twenty-one beneficial uses are defined for the waters of California, ranging from municipal and domestic supply to fisheries and wildlife habitat.
BMP	Best Management Practices
CAA	Clean Air Act, as amended in 1990.
CAAQS	California Ambient Air Quality Standards
Cal OSHA	California Occupational Safety and Health Administration
Cal EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAP	Bay Area Clean Air Program
CARB	California Air Resources Board
CCAA	California Clean Air Act
CDFG	California Department of Fish and Game
CEQA	California Environmental Quality Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
CGS	California Geological Survey
CHP	California Highway Patrol
cm	centimeter
CNDDB	California Natural Diversity Database

CNPS	California Native Plant Society
CO	Carbon monoxide
Cortese	Hazardous Waste and Substances Site List (or Cortese List) is named after State Assemblyman Dominic Cortese. PRC § 65962.5 requires Cal EPA to develop an updated Cortese list at least annually.
CPUC	California Public Utilities Commission
CRHR	California Register of Historic Resources
CRLF	California red-legged frog
CTS	California tiger salamander
CWA	Clean Water Act
dB	decibels, a measurement unit for noise.
dBA	A-weighted decibels, the measurement of noise that best represents human perception.
DEIR	Draft Environmental Impact Report
Department	California Department of Transportation or Caltrans
DI	Delay Index
DOT	U.S. Department of Transportation
DPS	distinct population segment
DTSC	California State Department of Toxic Substances Control
EA	Environmental Assessment
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EO	Executive Order
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Federal Endangered Species Act of 1973; alternatively, can refer to a designated Environmentally Sensitive Area.
ESU	evolutionarily significant units
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FINDS	Facility Index System
FIRM	Flood Insurance Rating Map
FIS	Flood Insurance Studies
FONSI	Finding of No Significant Impact
FRA	Federal Railroad Administration
ft	foot/feet
ft <sup>2</sup>	square feet
FTA	Federal Transit Administration
g	measurement unit of gravity
GARVEE	Grant Anticipation Revenue Vehicle
GGBHTD	Golden Gate Bridge Highway and Transportation District
GNRTR	RCRA registered small or large generators of hazardous waste
Guard Railing	A type of barrier, typically a metal beam supported on wood posts, used to protect objects along the side of the road, or when two guard railings are placed back-to-back in the median of a divided roadway, is used to prevent cross-median accidents.
Ha	Hectares
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HOV	High Occupancy Vehicle
HPSR	Historic Property Survey Report

HQE	Habitat Quality Evaluation
HRER	Historic Resource Evaluation Report
Hz	Hertz
I.L.	insertion level
in	inch
ISA	Initial Site Assessment, a review of all published data sources on hazardous waste sites and hazardous waste releases in the vicinity of a project.
Km	kilometer(s)
KP	kilometer post
Kph	kilometers per hour
kV	Kilovolt
LBP	lead-based paint
Lead Agency	Public agency that has primary responsibility for carrying out or approving a project that may have a significant effect on the environment and preparing the environmental document.
$L_{eq}(h)$	A-weighted equivalent sound level
$L_{max}$	maximum sound level
LOS	Level of Service
LU	landscape unit
LUST	leaking underground storage tank
M	meter(s)
$m^2$	square meters
$m^3/s$	cubic meters per second
Maintenance Area	A federal term to describe any geographic region of the United States designated nonattainment pursuant to the CA and subsequently redesignated to attainment subject to the requirement to develop a maintenance plan under Section 175A of the CAA.
MBTA	Migratory Bird Treaty Act
MCE	maximum credible earthquake
mg/kg	milligrams/kilogram
mg/l	milligrams per liter
Mi	mile(s)
MIS	Major Investment Study, prepared during the early planning phase to analyze the range of modal alternatives and cost/benefits of “major metropolitan transportation investments,” which are defined as being highway or transit improvements of substantial cost that are expected to have a significant effect on capacity, traffic flow, level of service or mode share at the transportation corridor or subarea scale. TEA-21 eliminated the requirement for a separate MIS document, but the analysis still must be conducted.
$M_{max}$	moment magnitude
Mph	miles per hour
MPO	Metropolitan Planning Organization, a federal designation for the forum for cooperative transportation decision-making for an urbanized area with population of more than 50,000.
MTBE	methyl tertiary butyl ether
MTC	Metropolitan Transportation Commission of the Bay Area
MTP	Metropolitan Transportation Plan, the official intermodal transportation plan that is developed and adopted through the metropolitan transportation planning process for the metropolitan planning area.
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria

NAGPRA	Native American Graves Protection and Repatriation Act of 1990
NAHC	Native American Heritage Commission
NEPA	National Environmental Policy Act
NES/BA	Natural Environment Study/Biological Assessment
NFRAP	“No further remedial action planned”
NO	nitric oxide
NO <sub>2</sub>	nitrogen dioxide
NOAA Fisheries	National Oceanic and Atmospheric Administration Fisheries Service
NO <sub>x</sub>	nitrogen oxide
Nonattainment Area	Any geographic region of the United States that the EPA has designated as a nonattainment area for a transportation related pollutant(s) for which a NAAQS exists.
NOP	Notice of Preparation, the CEQA notice that an EIR will be prepared for a project.
NPDES	National Pollutant Discharge Elimination System Permit, required for facilities and activities that discharge waste into surface waters from a confined pipe or channel.
NPL	National Priorities List
NRCS	U.S. Department of Agriculture, Natural Resources Conservation Service
NRHP	National Register of Historic Places
NWIC	Historical Resources Information System, Northwest Information Center
O <sub>3</sub>	Ozone
OHWM	Ordinary high water mark, a distinguishing characteristic of Other Waters of the U.S.
PDT	Project Development Team, a multidisciplinary advisory group assembled to review and provide direction on project development.
PG&E	Pacific Gas and Electric Company
PM	post mile
PM <sub>10</sub>	particulate matter less than 10 microns in diameter (one micron is equal to one millionth of a meter)
PM <sub>2.5</sub>	particulate Matter less than 2.5 microns in diameter, considered to be fine particulate matter (one micron is equal to one-millionth of meter)
ppm	parts per million
PRC	California Public Resources Code
Profile	Used to describe the vertical alignment and elevation of the roadway surface along a designated line, typically, the center of the roadway or median.
PSR	Project Study Report, a California Department of Transportation document establishing consensus among state and local decision makers in the viability and appropriateness of a project. Initiates preliminary engineering and environmental review phase of project development.
PYE	person years of employment
RCRA	Resource Conservation and Recovery Act
RCRA Viol	RCRA Violation and Enforcement Actions
Responsible Agency	A “public agency, other than the lead agency that has responsibility for carrying out or approving a project” (PRC 21069). The CEQA Guidelines further explain the statutory definition by stating that a “responsible agency” includes “all public agencies other than the Lead Agency which have discretionary approval power over the project” (14 CCR 15381). State and local public agencies that have discretionary authority to issue permits, for example, fall into this category.
ROG	reactive organic gases
ROW	right-of-way
RTIP	Regional Transportation Improvement Plan or Program
RTP	Regional Transportation Plan
RWQCB	California Regional Water Quality Control Board

SCAQMD	South Coast Air Quality Management District
SCL	State Equivalent CERCLIS sites
SCTA	Sonoma County Transportation Authority
Scoping	A process for determining the scope of issues to be addressed in an EA and EIS and for identifying significant issues to be analyzed in depth in an EIS.
SHPO	State Historic Preservation Officer
Significance	<p>CEQA defines a "significant effect on the environment" as "a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic significance. An economic or social change by itself shall not be considered a significant effect on the environment. A social or economic change related to a physical change may be considered in determining whether the physical change is significant" (15382).</p> <p>CEQA requires that the lead agency identify each "significant effect on the environment" resulting from the project and avoid or mitigate it.</p> <p>The CEQA Guidelines include mandatory findings of significance for certain effects, thus requiring the preparation of an EIR.</p>
SIP	State Implementation Plan, the portion (or portions) of an applicable implementation plan approved or promulgated, or the most recent revision thereof, under sections 110, 301(d) and 175A of CAA.
SMART	Sonoma-Marin Area Rail Transit
SMP	Soils Management Plan
SO <sub>2</sub>	sulfur dioxide
Sole Source Aquifer	An aquifer upon which a community depends exclusively for its fresh water supply.
SOV	Single Occupant Vehicle
SO <sub>x</sub>	sulfur oxides
SPILLS	State Spills List
SR	State Route
SSU	Sonoma State University
STIP	Statewide Transportation Improvement Plan, a staged, multiyear, statewide, intermodal program of transportation projects that is consistent with the Statewide transportation plan and planning processes and metropolitan plans, TIPs and processes.
STP	Statewide Transportation Plan, the official statewide, intermodal transportation plan that is developed through the statewide transportation planning process.
SWDP	Stormwater Data Plan
SWLF	solid waste landfills
SWMP	Storm Water Management Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	California State Water Resources Control Board, the principal authority for regulating the quantity and quality of waters in the state, established by act of the California legislature in 1967.
TASAS	Traffic Accident Surveillance and Analysis System
TCLP	Toxicity Characteristic Leaching Procedure

TCM	Transportation Control Measure, any measure specifically identified and committed to in the applicable implementation plan that is either one of the types listed in § 108 of the CAA, or any other measure for the purpose of reducing emissions or concentrations of air pollutants from transportation sources by reducing vehicle use or changing traffic flow or congestion conditions. Notwithstanding the above, vehicle technology-based, fuel-base, and maintenance-based measures that control the emissions from vehicles under fixed traffic conditions are not TCMs for the purposes of project-level conformity.
TDM	Transportation Demand Management
TEA-21	Transportation Equity Act for the 21 <sup>st</sup> Century
TIP	Transportation Improvement Program, a staged, multi-year, intermodal program of transportation projects that is consistent with the metropolitan transportation plan. It is a federal term.
TMP	Transportation Management Plan, used to maintain and manage traffic and transportation in a project vicinity during construction.
TOXIC PITS	Toxic Pits cleanup facilities
Traffic Study Area	The area for which traffic conditions are reported in this document. It consists of Highway 101 from the Petaluma Boulevard South Interchange to the Rohnert Park Expressway Interchange, a distance of approximately 18.8 km (11.7 mi). It is depicted in Figure 3.1-3.
TRIS	Toxic Release Inventory Database
TSCA	Toxic Substances Control Act of 1976, federal law enacted to give EPA the ability to track industrial chemicals produced in or imported into the U.S.
TSD	Treatment storage and / or disposal facilities
TSM	Transportation Systems Management
TSO	Traffic Service Objective
UPRR	Union Pacific Railroad
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	Underground storage tank
V/C	volume-to-capacity ratio
VA	value analysis
vht	vehicle hours of travel
VKT	vehicle kilometers of travel
VMT	vehicle miles of travel
vpd	vehicles per day
WDR	Water Discharge Requirements
Wetland	Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions (USACE and EPA definition).
WH&SP	Worker Health and Safety Plan